NORM System Modernization Update

MISSION
Environmental Restoration delivers sustainable, innovative, cost effective remediation solutions with stakeholder engagement, to protect human health and the environment, maintain regulatory compliance, and maximize reuse of DON assets to support the warfighter.

VISION
NAVFAC Environmental Restoration is a recognized leader for responsive, best value, and sustainable remediation solutions.

Ron Baker
NAVFAC HQ,
Environmental Restoration Division
March 6, 2018

Objectives

- **Move procurement of NORM IT services from EV3 to CIO/ NITC**

- **Migrate from HP supported server hosting environment to a CIO/NITC provided and supported solution**

- **Replace proprietary Aquifer software with browser-based user interface**

- **Simplify maintenance of security posture and information assurance**

- **Realize synergies across EV business line systems**

NORM Modernization and Development

- **Requirements documentation began in 2016**
  - System's function in the management and oversight of the ER,N and BRAC restoration program
  - Data elements, entity relationships, user roles were documented by developers

- **Development spirals began in 2017 with "Activity" data**
  - Prototypes were reviewed by small group of ER,N and BRAC SMEs and NORM users
  - User interface navigation and data behavior developed through successive spiral release and review events during 2017
  - Final spiral involving data QC, reporting, and additional functionality (site add process) underway

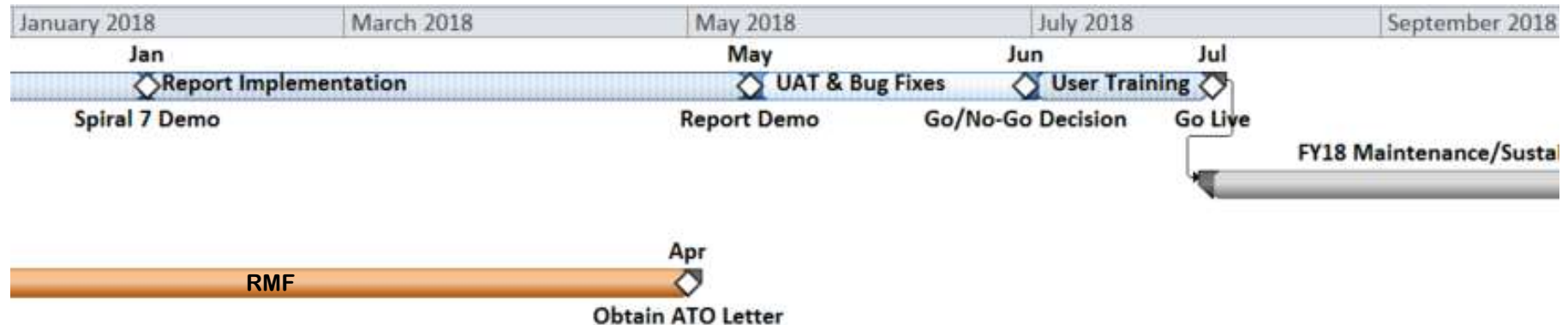# NORM Modernization and Development (Continued)

- **Cybersecurity controls and tests/ authority to operate underway**
  - The information assurance requirements under the Risk Management Framework process are being documented and tested to support authority to operate determination

- **User testing slated to begin in May**
  - User testing has been underway at a high level since system development moved to the test site
  - The more official phase of "User Acceptance Testing" will begin following development

- **User training slated to begin in June**
  - User training to include some variation on web based instruction and training and refresh materials available through the system itself

- **Go live - Jul 2018**
  - Go live will be the date when we have completed all the UAT, migrated all the most recent data, and officially switchover from old NORM server

NORM Capabilities

- The new NORM user interface (screens and navigation) is organized around the original framework of NORM

  - Activity Editor Module
  - Site Editor Module
  - Relative Risk Module
  - Cost Estimating / Scheduler
  - MRP module/ MRP Prioritization
  - Budget Module
  - Report Writer
  - Admin

- The test version of the new NORM (sans Report Writer) will be available for demonstration in the Pacifica room during the day tomorrow

Timing of Switchover

- **The above high-level POAM shows a "go-live" date in end of July of 2018**

- **That would theoretically put us in a position to run the Fall2018 data call in the new system**

- **But that is likely unrealistic**

- **Final testing of system behavior, budget update processes, and status reporting will need to be tested to some degree in parallel**

- **Final "Switchover" then would occur between the ER,N Fall2018 and Mid-year 2019 data calls**